

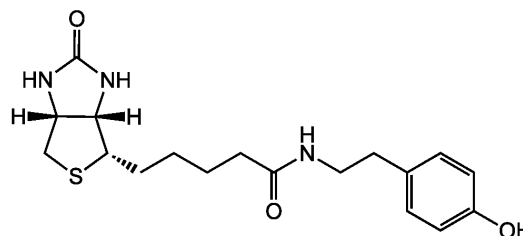
CDX-B0270

19-Aug-2022

Biotinyl tyramide

[Biotin-Phenol; BP; N-(4-Hydroxyphenethyl)-5-((3aS,4S,6aR)-2-oxohexahydro-1H-thieno[3,4-d]imidazol-4-yl)pentanamide]

CDX-B0270-M100	100 mg
CDX-B0270-M500	500 mg
Formula	C ₁₈ H ₂₅ N ₃ O ₃ S
MW	363.5
CAS	41994-02-9



Handling / Storage

Shipping	AMBIENT
Short Term Storage	+4°C
Long Term Storage	-20°C

Keep cool and dry. Protect from light and moisture.

Use / Stability

Stable for at least 2 years after receipt when stored at -20°C.

MSDS available at www.adipogen.com or upon request.

Manufactured by Chemodex.

Product Specifications

Source/Host	Synthetic.
Purity	≥97% (HPLC)
Identity	Determined by NMR.
Appearance	White to light pink solid.
Solubility	Soluble in DMSO or acetonitrile.

Other Product Data

[Click here for Original Manufacturer Product Datasheet](#)

Our product description may differ slightly from the original manufacturers product datasheet.

WARNING: Intended for research use only. This product is not intended or approved for human, diagnostics, therapeutic or veterinary use. Use of this product for human or animal testing is extremely hazardous and may result in disease, severe injury, or death. **MATERIAL SAFETY DATA:** Review the complete Material Safety Data Sheet before use.

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Product Description

Biotin derivative. Substrate of the horseradish peroxidase enzyme and used as a reagent to amplify immunohistochemical signals. It is based on the HRP-catalyzed deposition of tyramide conjugates (such as biotinyl-tyramide) on a solid phase. Subsequent reaction with streptavidin fluorophore results in the localization of the fluorophore at the site of tyramide deposition. This fluorescence-based tyramide signal amplification (TSA) has been widely used in immunohistochemistry, immunoelectron microscopy, fluorescent in situ hybridization (FISH) and fluorescence ELISA. The TSA method has been reported to increase the detection sensitivity up to 100-fold as compared with conventional avidin–biotinylated enzyme complex procedures. It can be used together with both chromogenic and fluorescence visualization methods. It can be added to any other standard IHC protocol and reduces the use of other reagents; improves signal to noise by reducing the titer of other reagents in the assay protocol and enables multi-target detection in both IHC and (F)ISH applications.

Product Specific References

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